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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/520,341	10/20/2005	Jian Liu	421/67 PCT/US	2710
7590	11/17/2008		EXAMINER	
Arles A Taylor Jr			SHEN, WU CHENG WINSTON	
Jenkins Wilson & Taylor				
Suite 1400 University Tower			ART UNIT	PAPER NUMBER
3100 Tower Boulevard				1632
Durham, NC 27707				
			MAIL DATE	DELIVERY MODE
			11/17/2008	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Advisory Action Before the Filing of an Appeal Brief</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/520,341	LIU ET AL.
	<b>Examiner</b>	<b>Art Unit</b>
	WU-CHENG Winston SHEN	1632

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 29 October 2008 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1.  The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a)  The period for reply expires 6 months from the mailing date of the final rejection.
- b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### NOTICE OF APPEAL

2.  The Notice of Appeal was filed on 29 October 2008. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

#### AMENDMENTS

3.  The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because

- (a)  They raise new issues that would require further consideration and/or search (see NOTE below);
- (b)  They raise the issue of new matter (see NOTE below);
- (c)  They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d)  They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See Continuation Sheet. (See 37 CFR 1.116 and 41.33(a)).

4.  The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.

6.  Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7.  For purposes of appeal, the proposed amendment(s): a)  will not be entered, or b)  will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_.

Claim(s) objected to: \_\_\_\_\_.

Claim(s) rejected: 1-4.

Claim(s) withdrawn from consideration: \_\_\_\_\_.

#### AFFIDAVIT OR OTHER EVIDENCE

8.  The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9.  The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10.  The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

#### REQUEST FOR RECONSIDERATION/OTHER

11.  The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Continuation Sheet.

12.  Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). \_\_\_\_\_

13.  Other: \_\_\_\_\_.

/Thaian N. Ton/  
Primary Examiner, Art Unit 1632

Continuation of 3. NOTE: Claim 1 is proposed to be amended to read as follows: An isolated and purified biologically active heparan sulfate 3-O-sulfotransferase 5 polypeptide having an amino acid sequence set forth in SEQ ID NO 2. The proposed amendments "polypeptide having an amino acid sequence set forth in SEQ ID NO 2" raise new issues that would require further consideration and/or search in terms of 112 first issues because "polypeptide having an amino acid sequence set forth in SEQ ID NO 2" encompass any fragments of of SEQ ID NO:2 and the fragments may not be enabled as an isolated and purified biologically active heparan sulfate 3-O-sulfotransferase 5 polypeptide. The newly added limitation would also require new search in terms of prior art because full length of SEQ ID NO: 2 is not required for the proposed limitation "polypeptide having an amino acid sequence set forth in SEQ ID NO 2". Additionally, this new limitation would also require new and further consideration.

Continuation of 11. does NOT place the application in condition for allowance because: Applicant's arguments have failed to overcome the rejection of claims 1-4 under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for an isolated and purified biologically active heparan sulfate 3-O-sulfotransferase 5 polypeptide wherein the polypeptide catalyzes the reactions generating at least three 3-O-sulfated disaccharides as follows: IdoUA2-AnMan3S, GlcUA-AnMan3S6S, and IdoUA2S-AnMan3S6S, does not reasonably provide enablement for (1) any fragment or variant of polypeptide encoded by a nucleic acid sequence as set forth in SEQ ID NO 1; (2) any fragment of a polypeptide encoded by a nucleic acid sequence having greater than 95% but less than 100% sequence identity of SEQ ID No 1; (3) any fragment of polypeptide having an amino acid sequence having greater than 95% sequence identity of SEQ ID NO 2 BECAUSE Applicant's arguments rely on the proposed claim amendments, which have not been entered. The rejection is maintained of the record.